

*If you are using a printed copy of this procedure, and not the on-screen version, then you **MUST** make sure the dates at the bottom of the printed copy and the on-screen version match. The on-screen version of the Collider-Accelerator Department Procedure is the Official Version. Hard copies of all signed, official, C-A Operating Procedures are kept on file in the C-A ESHQ Training Office, Bldg. 911A.*

## C-A OPERATIONS PROCEDURES MANUAL

### ATTACHMENT

#### 4.56.j Tandem to Booster (HEBT/TTB) Crossover Sweep Checklist

C-A-OPM Procedures in which this Attachment is used.		
4.56		

#### Hand Processed Changes

<u>HPC No.</u>	<u>Date</u>	<u>Page Nos.</u>	<u>Initials</u>
<u>02-30</u>	<u>12/27/02</u>	<u>2</u>	<u>PFI</u>
<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>

Approved: Signature on File  
 Collider-Accelerator Department Chairman      Date

P. Ingrassia

## TANDEM TO BOOSTER (HEBT/TTB) CROSSOVER SWEEP CHECKLIST

(Team Leader) \_\_\_\_\_ (Operator 2) \_\_\_\_\_

Time: \_\_\_\_\_ Date: \_\_\_\_\_

### Warning:

**IF** any personnel are encountered during the sweep, **THEN** determine whether their work will be completed in a short time. **IF** the work will take a long time, **THEN** contact the OC to see if the sweep should be aborted. **IF** the work will be completed in a short time, **THEN** write the name(s) of the workers at the end of the checklist and verify that they leave the enclosure **WITH** the sweep team.

### Prerequisites

- Two Operators to perform the sweep
- Keys, H705, AA256A, BNL3
- C-A-OPM-ATT 4.56.j "TANDEM TO BOOSTER (HEBT/TTB CROSSOVER SWEEP CHECKLIST)" (1 page)
- TLD, Alarming (chirping) Self Reading Dosimeter (SRD)
- TTB beam stops 1 & 2 are closed (see MCR\_2-2G3, G4)
- Tank 1 beam stops are closed
- No TTB beam stop failure is indicated (see MCR\_2-2G4)
- The Linac is in the Restricted Access state.
- Flashlight

### Check

- \_\_\_\_ 1. Team Leader and Operator 2 enter the Linac HEBT Gate (simultaneously push OPEN button and turn door knob).
- \_\_\_\_ 2. Team Leader and Operator 2 proceed to N322 Gate. IF the N322 Gate is reset (amber reset light ACS 5032 box) THEN skip the following steps and resume the procedure with step 9 (nine).
- \_\_\_\_ 3. IF the N322 Gate is NOT reset THEN Team Leader and Operator 2 open (AA256 key in ACS 5032 box key switch) and pass through the gate.
- \_\_\_\_ 4. Team Leader and Operator 2 proceed the downstream end (AGS HEBT door) of the tunnel.
- \_\_\_\_ 5. Team Leader stands static watch while Operator 2 proceeds to HEBT penetration of AGS tunnel wall.
- \_\_\_\_ 6. Operator 2 sweeps downstream end of tunnel and meets Team Leader at AGS HEBT door.
- \_\_\_\_ 7. Team Leader resets (BNL 3) HTB/ HEBT RESET STATION to the right of the AGS HEBT door.  
Note: the amber indicator will light when the door is reset.
- \_\_\_\_ 8. Team Leader and Operator 2 sweep back upstream through the N322 Gate.  
Note: reset (BNL3 key) is required whenever the AGS will be operated.  
Note: IF AGS OR Linac is in Controlled Access then N322 may be reset.
- \_\_\_\_ 9. Team Leader and Operator 2 sweep upstream to the TTB -- HEBT junction.
- \_\_\_\_ 10. Team Leader stands static watch while Operator 2 proceeds to the downstream end of the TTB spur.
- \_\_\_\_ 11. Operator 2 sweeps upstream and rejoins the Team Leader.
- ~~\_\_\_\_ 12. Team Leader and Operator 2 sweep upstream to the junction HEBT-LTB junction.~~
- ~~\_\_\_\_ 13. Team Leader stands static watch at the upstream end of LTB-DH3 while Operator 2 proceeds to downstream end of LTB alcove.~~
- ~~\_\_\_\_ 14. Operator 2 sweeps upstream and rejoins Team Leader at DH3.~~
- \_\_\_\_ 15. Team Leader and Operator 2 sweep upstream and sweep through the Linac HEBT Gate.
- \_\_\_\_ 16. Team Leader resets (H705 key) (5114 box to the right of the gate).  
Note: the amber indicator will light when the door is reset.
- \_\_\_\_ 17. Team leader notifies the MCR that the TTB/HEBT crossover is reset and asks for verification (security computer that both AGS-HEBT and Linac-HEBT gates are reset).
- \_\_\_\_ 18. File the checklists in ~~the section of Document 29 for completed TTB/HEBT Crossover Gate checklists~~ FYxx Sweep log binder.